

## Les lettres de l'alphabet

### Les lettres MAJUSCULES d'imprimerie

A B C D E F G H I J K L M N  
O P Q R S T U V W X Y Z

### Les lettres minuscules d'imprimerie

a b c d e f g h i j k l m n  
o p q r s t u v w x y z

### Les lettres MAJUSCULES de l'écriture cursive

A B C D E F G H I J K L M N  
O P Q R S T U V W X Y Z

### Les lettres minuscules de l'écriture cursive

a b c d e f g h i j k l m n  
o p q r s t u v w x y z

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| A | B | C | D | E | F |
| G | H | I | J | K | L |
| M | N | O | P | Q | R |
| S | T | U | V | W | X |
| Y | Z | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 0 |



A APPLE APPEL



B BEAR BEER



C CARROTS WORTELEN



D DEER HERT



E ELEPHANT OLIFANT



F FIRE VUUR



G GOOSE GANS



H HORSE PAARD



I ICE IJS



J JELLYFISH KWAL



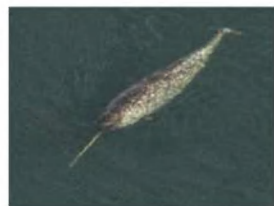
K KANGEROO KANGEROE



L LIZARD HAGEDIS



M MOUNTAIN BERG



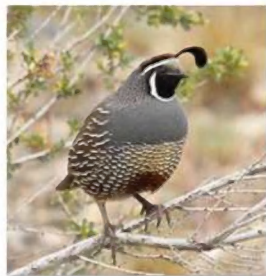
N NARWHAL NARWAL



O OWL UIL



P PARROT PAPEGAAI



Q QUAIL KWARTEL



R RACCOON WASBEER



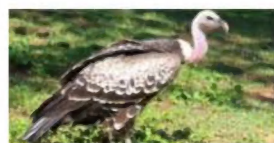
S SNAKE SLANG



T TREE BOOM



U URIAL OERIAL



V VULTURE GIER



W WOLF WOLF



X XIMENIA XIMENIA



Y YAK JAK



Z ZEBRA ZEBRA





The horse eats.  
Het paard eet.

The horse eats grass.  
Het paard eet gras.

The white horse eats green grass.  
Het witte paard eet groen gras.



The horse jumps.  
Het paard springt.

The horse jumps over the fence.  
Het paard springt over een hek.

The brown horse jumps over the fence.

Het bruine paard springt over een hek.



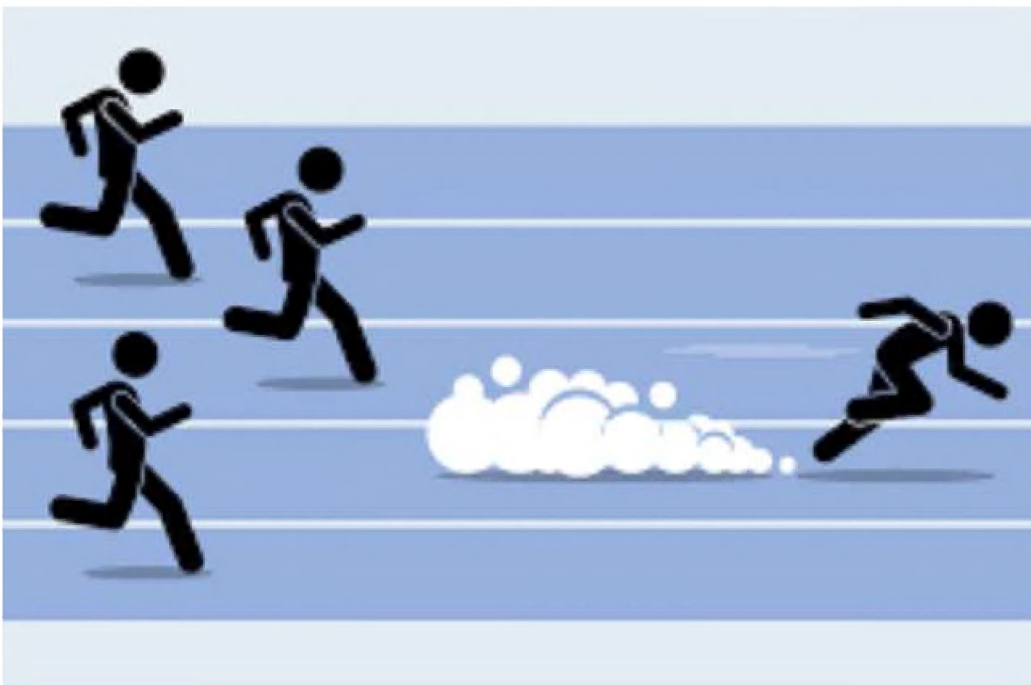
Fox  
Vos

This is a fox.  
Dit is een vos.



Dog  
Hond

This is a dog.  
Dit is een hond.



Quick.  
Snel

He is fast.  
He is quick.  
Hij is snel.

He runs fast.  
He runs quickly.  
Hij rent snel.



Lazy  
Lui

Lazy is when you want to do nothing.  
Lazy is when you refuse to do anything.  
Lui is wanneer je niets wil doen.

## Laziness



From Wikipedia, the free encyclopedia

See also: *Sloth (deadly sin)* and *Lethargy*

For the computer science concept, see *Lazy evaluation*.

**Laziness** (also known as **indolence**) is disinclination to activity or exertion despite having the ability to act or to exert oneself. It is often used as a pejorative; terms for a person seen to be lazy include "couch potato", "slacker", and "bludger".

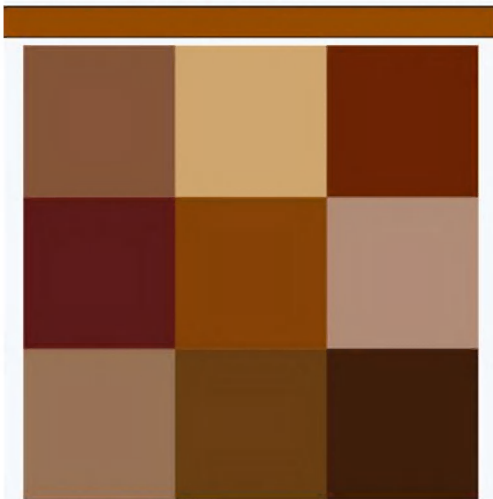
Despite Sigmund Freud's discussion of the **pleasure principle**, Leonard Carmichael notes that "laziness is not a word that appears in the table of contents of most technical books on psychology... It is a guilty secret of modern psychology that more is understood about the **motivation** of thirsty **rats** and hungry pecking **pigeons** as they press levers than about the way in which **poets** make themselves write poems or **scientists** force themselves into the laboratory when the good **golfing** days of spring arrive."<sup>[1]</sup> A 1931 survey found **high-school** students more likely to attribute their failing performance to laziness, while teachers ranked "lack of ability" as the major cause, with laziness coming in second.<sup>[2]</sup> Laziness is not to be confused with **avolition**, a negative symptom of certain mental-health issues such as **depression**, **ADHD**, **sleep disorders**, and **schizophrenia**.<sup>[3][4]</sup>



Scene in club lounge, by Thomas Rowlandson



## Brown





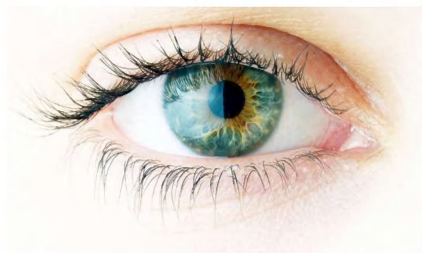
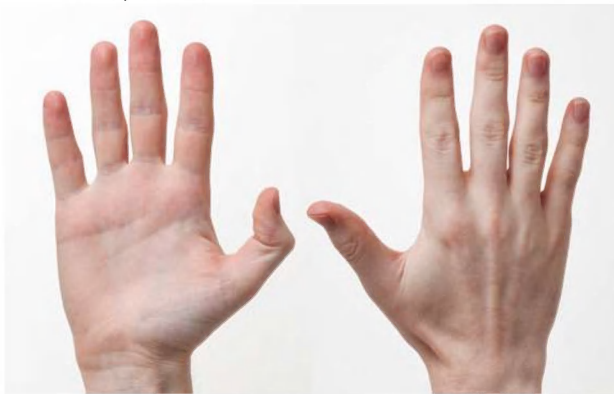


The fox and dog.  
De vos en hond.

The fox jumps over the dog.  
De vos springt over de hond.

The quick brown fox jumps over the lazy dog.  
De snelle vos springt over de luie hond.

Hand, hand



Eye, Oog



Child  
Kind



Man  
Man



Woman  
Vrouw



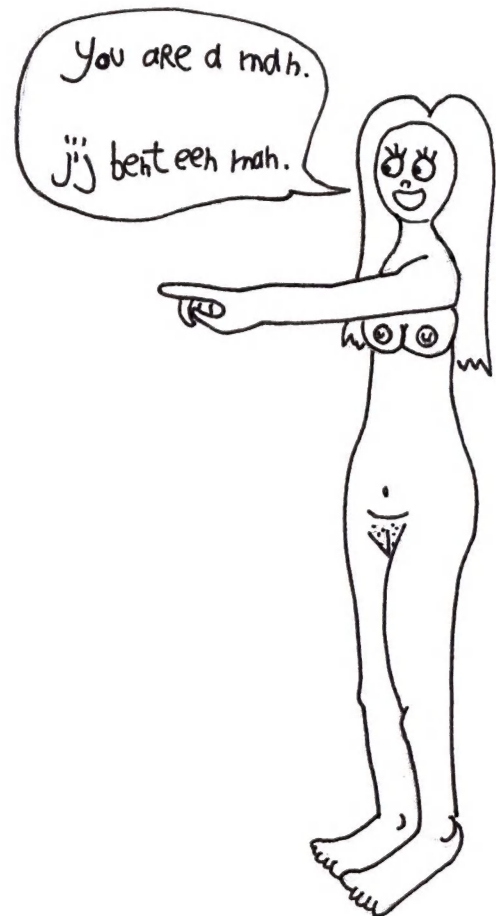
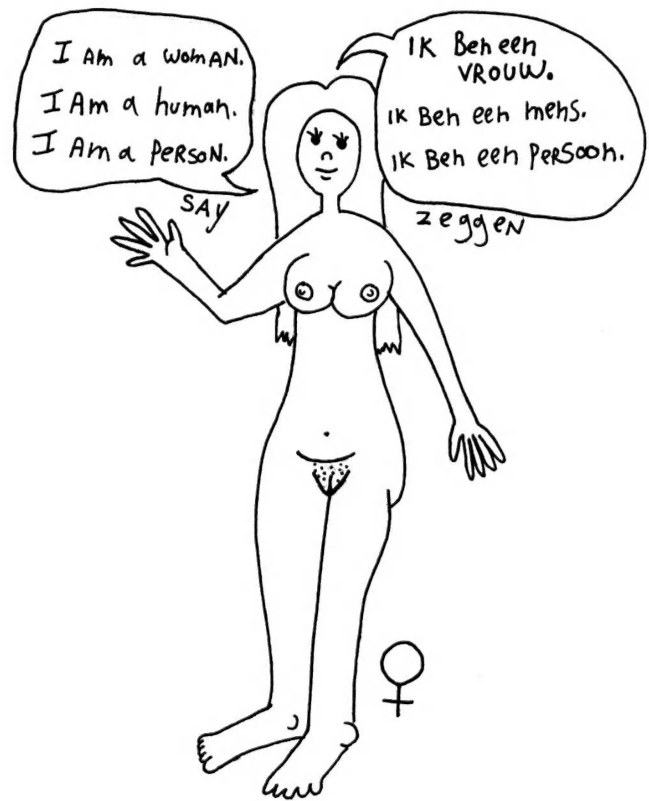


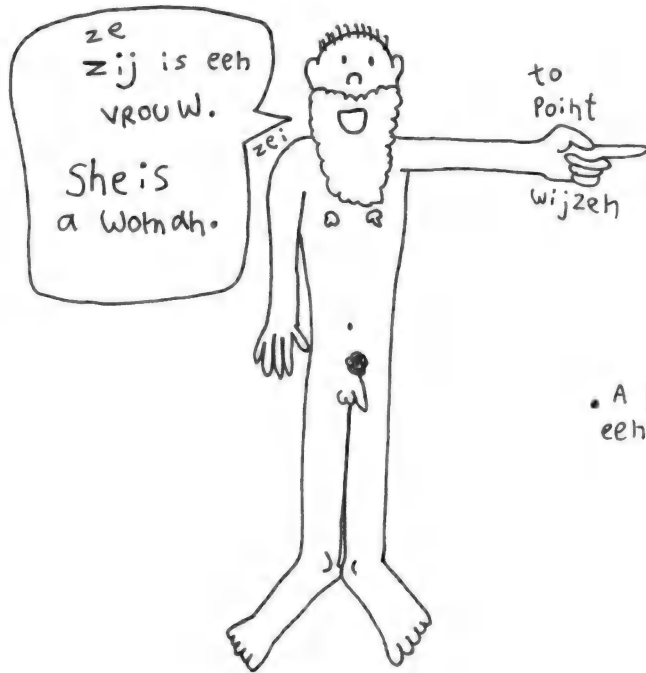
Group  
Groep



Alone  
Alleen

| prime      | composite |   |       |       |
|------------|-----------|---|-------|-------|
| •• 2       |           | 0 | zero  | nul   |
| ••• 3      |           | 1 | one   | een   |
|            | 4 ••      | 2 | two   | twee  |
| •••• 5     |           | 3 | three | drie  |
|            | 6 •••     | 4 | four  | vier  |
| ••••• 7    |           | 5 | five  | vijf  |
|            | 8 ••••    | 6 | six   | zes   |
|            | 9 ••••    | 7 | seven | zeven |
|            | 10 •••••  | 8 | eight | acht  |
| ••••••• 11 |           | 9 | nine  | negen |
|            | 12 •••••  |   |       |       |

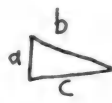






A point  
een punt

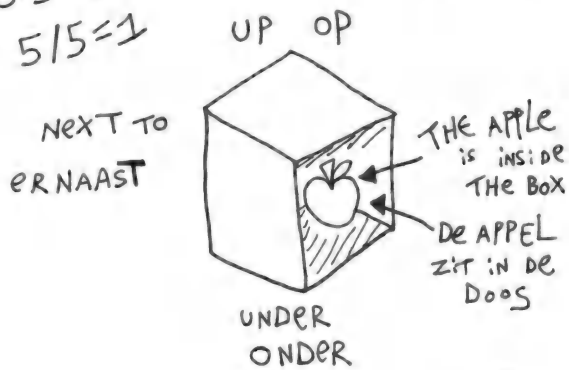


$5+5=10$   
 $5^2=5 \times 5=25$   
 $a^2+b^2=c^2$   
 $5-5=0$   
 $5/5=1$

1.6180339875

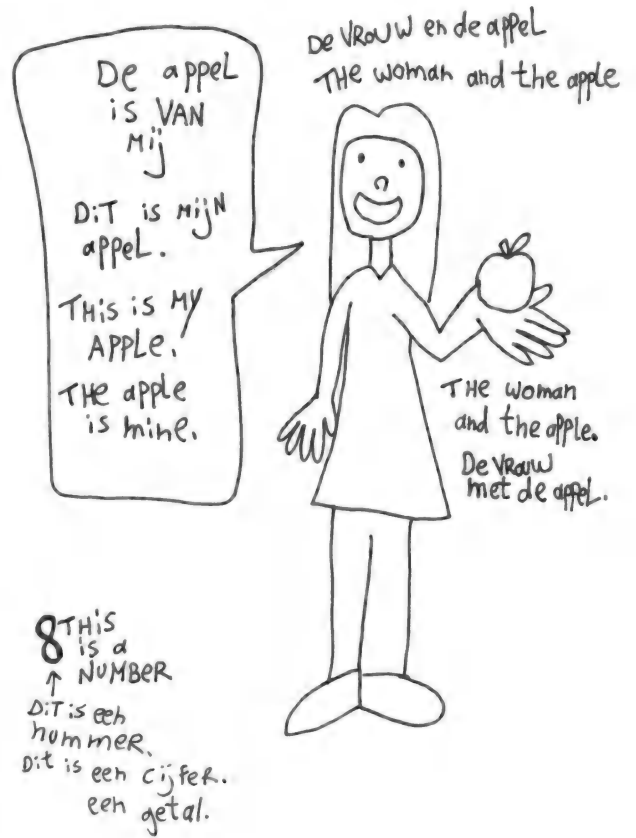
3.141592653



DIT zijn Nummers/cijfers/getallen

THESE ARE NUMBERS

16180



8 THIS is a NUMBER

↑

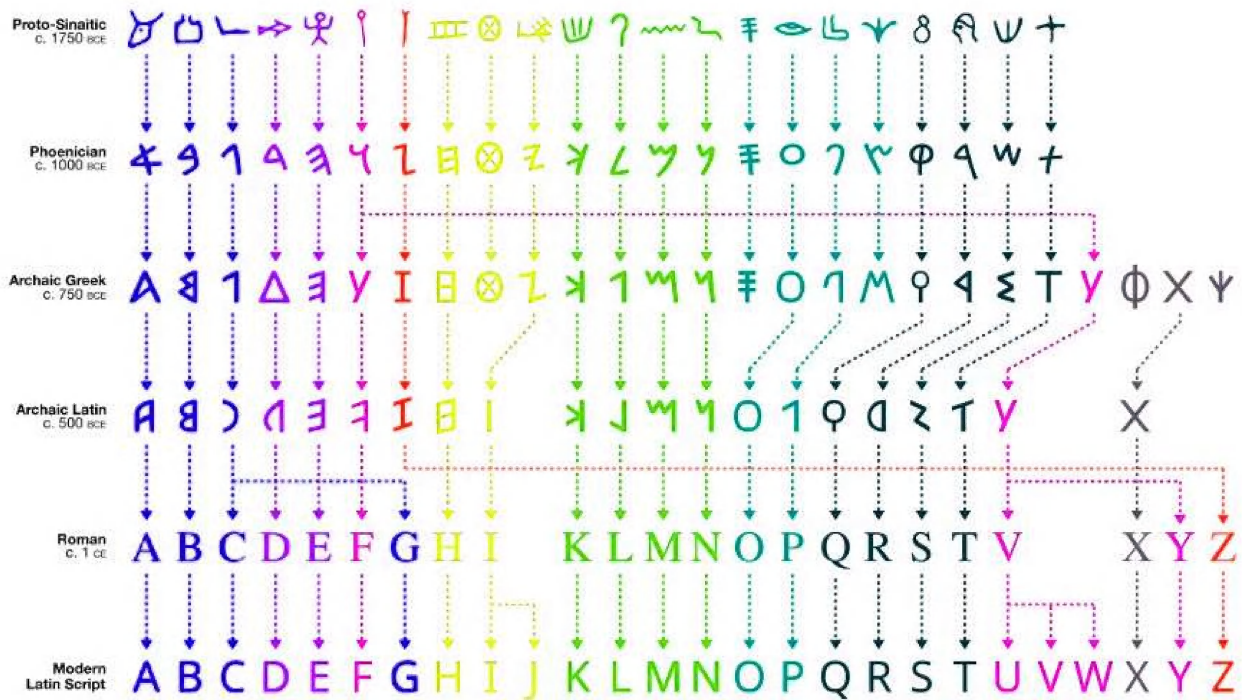
DIT is een nummer.

DIT is een cijfer.

een getal.



# Evolution of the Alphabet



By Matt Baker | UsefulCharts.com  
Alphabet font by Josh Mendez used for Ancient Greek, Latin

| nr. | Reconstruction                    | IPA         | value | Ugaritic | Phoenician | Hebrew    | Arabic         | Greek                | Latin         | Cyrillic                          | Runic              |
|-----|-----------------------------------|-------------|-------|----------|------------|-----------|----------------|----------------------|---------------|-----------------------------------|--------------------|
| 1   | 'alpu "ox"                        | /ʔ/         | 1     | 𐎀        | 𐤀 'ālep    | א 'ālef   | أ 'alif        | A alpha              | A             | A azŭ                             | ᚦ *ansuz           |
| 2   | baytu "house"                     | /b/         | 2     | 𐎁        | 𐤁 bēt      | ב bēt     | ب bā           | B bêta               | B             | B vědě, Б buky                    | ᚷ *berkanan        |
| 3   | gamlu "throwstick"                | /g/         | 3     | 𐎂        | 𐤂 gîmel    | ג gîmel   | ج jîm          | Γ gamma              | C, G          | Г glagoli                         | ᚹ *kaunan          |
| 4   | daltu "door" / diggu "fish"       | /d/, /ð/    | 4     | 𐎃        | 𐤃 dālet    | ד dālet   | د dāl, ذ dāl   | Δ delta              | D             | Д dobro                           |                    |
| 5   | haw "window" / hallu "jubilation" | /h/         | 5     | 𐎄        | 𐤄 hē       | ה hē      | ه hā           | E epsilon            | E             | Е ye, Ё estī                      |                    |
| 6   | wāwu "hook"                       | /β/ or /w/  | 6     | 𐎅        | 𐤅 wāw      | ו vāv     | و wāw          | F digamma, Y upsilon | F, U, V, W, Y | Оу / Ѱ ukŭ → У                    | ᚺ *ûruz / *ûran    |
| 7   | zaynu "weapon" / ziqqu "manacle"  | /z/         | 7     | 𐎆        | 𐤆 I zayin  | ז zayin   | ز zayn or zāy  | Z zêta               | Z             | З / 3 zemlya                      |                    |
| 8   | haytu "thread" / "fence"?         | /h/, /x/    | 8     | 𐎇        | 𐤇 hēt      | ח hēt     | ح hā, خ hā     | H êta                | H             | И iže                             | ᚨ *haglaz          |
| 9   | ṭaytu "wheel"                     | /ʔ/, /θ/    | 9     | 𐎈        | 𐤈 tēt      | ט tēt     | ط tā, ظ zā     | Θ thêta              |               | Ө fita                            |                    |
| 10  | yadu "arm"                        | /j/         | 10    | 𐎉        | 𐤉 yōd      | י yōd     | ي yā           | I iota               | I, J          | І ižei                            | ᚱ *isaz            |
| 11  | kapu "hand"                       | /k/         | 20    | 𐎊        | 𐤊 kap      | כ kâf     | ك kâf          | K kappa              | K             | К kako                            |                    |
| 12  | lamdu "goad"                      | /l/         | 30    | 𐎋        | 𐤋 lāmed    | ל lāmed   | ل lām          | Λ lambda             | L             | Л lyudiye                         | ᚦ *laguz / *laukaz |
| 13  | mayim "waters"                    | /m/         | 40    | 𐎌        | 𐤌 mēm      | מ mēm     | م mīm          | M mu                 | M             | М myslite                         |                    |
| 14  | nahšu "snake" / nunu "fish"       | /n/         | 50    | 𐎍        | 𐤍 nun      | נ nun     | ن nūn          | N nu                 | N             | Н naši                            |                    |
| 15  | samku "support" / "fish" ?        | /s/         | 60    | 𐎎        | 𐤎 sāmek    | ס sāmek   |                | Ξ ksi, (X ksi)       | (X)           | Ѧ ksi, (X xérŭ)                   |                    |
| 16  | 'aynu "eye"                       | /ʕ/, /y/    | 70    | 𐎏        | 𐤏 'ayin    | ע 'ayin   | ع 'ayn, غ 'ayn | Ο omikron            | O             | О onŭ                             |                    |
| 17  | pu "mouth" / pi "corner"          | /p/         | 80    | 𐎐        | 𐤐 pē       | פ pē      | ف fā           | Π pi                 | P             | П pokoi                           |                    |
| 18  | šadu "plant"                      | /sʕ/, /ʕ/   | 90    | 𐎑        | 𐤑 šādē     | ש šādē    | س šād, ض dād   | Μ san, (ʔ) sampi     |               | Ц tsi, Ч črvī                     |                    |
| 19  | qupu "Copper"?                    | /kʕ/ or /q/ | 100   | 𐎒        | 𐤒 qōp      | ק qōf     | ق qāf          | Ϟ koppa              | Q             | Ç koppa                           |                    |
| 20  | ra 'su "head"                     | /r/ or /d/  | 200   | 𐎓        | 𐤓 rēš      | ר rēš     | ر rā           | P rho                | R             | P rīti                            | ᚱ *raidō           |
| 21  | šinnu "tooth" / šimš "sun"        | /ʃ/, /h/    | 300   | 𐎔        | 𐤔 šin      | ש šin/šin | س šin, ش šin   | Σ sigma, Ϻ stigma    | S             | С slovo, Ш ša, Щ šta, З / S dzělo | ᚺ *sowiō           |
| 22  | tawu "mark"                       | /t/, /θ/    | 400   | 𐎕        | 𐤕 tāw      | ת tāv     | ث tā, ت tā     | T tau                | T             | Т tvrdo                           | ᚦ *tiwaz           |

| Sound. | Moabite,<br>800 B.C. | Hebrew,<br>700 B.C. | Phoenician,<br>200 B.C. | Samaritan,<br>500 A.D. | Hebrew,<br>100 A.D. | Palmyrene,<br>200 A.D. |
|--------|----------------------|---------------------|-------------------------|------------------------|---------------------|------------------------|
| A      | 𐤀                    | 𐤁                   | 𐤀                       | 𐤀                      | 𐤀                   | 𐤀                      |
| B      | 𐤁                    | 𐤁                   | 𐤁                       | 𐤁                      | 𐤁                   | 𐤁                      |
| G      | 𐤂                    | 𐤂                   | 𐤂                       | 𐤂                      | 𐤂                   | 𐤂                      |
| D      | 𐤃                    | 𐤃                   | 𐤃                       | 𐤃                      | 𐤃                   | 𐤃                      |
| H      | 𐤄                    | 𐤄                   | 𐤄                       | 𐤄                      | 𐤄                   | 𐤄                      |
| V      | 𐤅                    | 𐤅                   | 𐤅                       | 𐤅                      | 𐤅                   | 𐤅                      |
| Z      | 𐤆                    | 𐤆                   | 𐤆                       | 𐤆                      | 𐤆                   | 𐤆                      |
| KH     | 𐤇                    | 𐤇                   | 𐤇                       | 𐤇                      | 𐤇                   | 𐤇                      |
| T      | 𐤈                    | 𐤈                   | 𐤈                       | 𐤈                      | 𐤈                   | 𐤈                      |
| Y      | 𐤉                    | 𐤉                   | 𐤉                       | 𐤉                      | 𐤉                   | 𐤉                      |
| C      | 𐤊                    | 𐤊                   | 𐤊                       | 𐤊                      | 𐤊                   | 𐤊                      |
| L      | 𐤋                    | 𐤋                   | 𐤋                       | 𐤋                      | 𐤋                   | 𐤋                      |
| M      | 𐤌                    | 𐤌                   | 𐤌                       | 𐤌                      | 𐤌                   | 𐤌                      |
| N      | 𐤍                    | 𐤍                   | 𐤍                       | 𐤍                      | 𐤍                   | 𐤍                      |
| S      | 𐤎                    | 𐤎                   | 𐤎                       | 𐤎                      | 𐤎                   | 𐤎                      |
| 'E     | 𐤏                    | 𐤏                   | 𐤏                       | 𐤏                      | 𐤏                   | 𐤏                      |
| P      | 𐤐                    | 𐤐                   | 𐤐                       | 𐤐                      | 𐤐                   | 𐤐                      |
| TS     | 𐤑                    | 𐤑                   | 𐤑                       | 𐤑                      | 𐤑                   | 𐤑                      |
| K      | 𐤒                    | 𐤒                   | 𐤒                       | 𐤒                      | 𐤒                   | 𐤒                      |
| R      | 𐤓                    | 𐤓                   | 𐤓                       | 𐤓                      | 𐤓                   | 𐤓                      |
| SH     | 𐤔                    | 𐤔                   | 𐤔                       | 𐤔                      | 𐤔                   | 𐤔                      |
| TH     | 𐤕                    | 𐤕                   | 𐤕                       | 𐤕                      | 𐤕                   | 𐤕                      |

## Standard periodic table [ change | change source ]

| Group →  | 1          | 2          | 3                         | 4          | 5          | 6          | 7          | 8          | 9          | 10         | 11         | 12         | 13         | 14         | 15         | 16         | 17         | 18         |
|----------|------------|------------|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Period ↓ |            |            |                           |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
| 1        | 1<br>H     |            |                           |            |            |            |            |            |            |            |            |            |            |            |            |            |            | 2<br>He    |
| 2        | 3<br>Li    | 4<br>Be    |                           |            |            |            |            |            |            |            |            |            | 5<br>B     | 6<br>C     | 7<br>N     | 8<br>O     | 9<br>F     | 10<br>Ne   |
| 3        | 11<br>Na   | 12<br>Mg   |                           |            |            |            |            |            |            |            |            |            | 13<br>Al   | 14<br>Si   | 15<br>P    | 16<br>S    | 17<br>Cl   | 18<br>Ar   |
| 4        | 19<br>K    | 20<br>Ca   | 21<br>Sc                  | 22<br>Ti   | 23<br>V    | 24<br>Cr   | 25<br>Mn   | 26<br>Fe   | 27<br>Co   | 28<br>Ni   | 29<br>Cu   | 30<br>Zn   | 31<br>Ga   | 32<br>Ge   | 33<br>As   | 34<br>Se   | 35<br>Br   | 36<br>Kr   |
| 5        | 37<br>Rb   | 38<br>Sr   | 39<br>Y                   | 40<br>Zr   | 41<br>Nb   | 42<br>Mo   | 43<br>Tc   | 44<br>Ru   | 45<br>Rh   | 46<br>Pd   | 47<br>Ag   | 48<br>Cd   | 49<br>In   | 50<br>Sn   | 51<br>Sb   | 52<br>Te   | 53<br>I    | 54<br>Xe   |
| 6        | 55<br>Cs   | 56<br>Ba   | *<br>Lanthanides          | 72<br>Hf   | 73<br>Ta   | 74<br>W    | 75<br>Re   | 76<br>Os   | 77<br>Ir   | 78<br>Pt   | 79<br>Au   | 80<br>Hg   | 81<br>Tl   | 82<br>Pb   | 83<br>Bi   | 84<br>Po   | 85<br>At   | 86<br>Rn   |
| 7        | 87<br>Fr   | 88<br>Ra   | **<br>Actinides           | 104<br>Rf  | 105<br>Db  | 106<br>Sg  | 107<br>Bh  | 108<br>Hs  | 109<br>Mt  | 110<br>Ds  | 111<br>Rg  | 112<br>Cn  | 113<br>Nh  | 114<br>Fl  | 115<br>Mc  | 116<br>Lv  | 117<br>Ts  | 118<br>Og  |
| 8        | 119<br>Uue | 120<br>Ubn | ***<br>Superactinides     | 158<br>Upo | 159<br>Upe | 160<br>Uhn | 161<br>Uhu | 162<br>Uhb | 163<br>Uht | 164<br>Uhq | 165<br>Uhp | 166<br>Uhh | 167<br>Uhs | 168<br>Uho | 169<br>Uhe | 170<br>Usn | 171<br>Usu | 172<br>Uub |
| 9        | 173<br>Ust | 174<br>Usq | ***<br>Eka-superactinides | 212<br>Bub | 213<br>But | 214<br>Buq | 215<br>Bup | 216<br>Buh | 217<br>Bus |            |            |            |            |            |            |            |            |            |
| 10       | 227<br>Bbs | 228<br>Bbo |                           |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |

|                          |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| * Lanthanide Series      | 57<br>La   | 58<br>Ce   | 59<br>Pr   | 60<br>Nd   | 61<br>Pm   | 62<br>Sm   | 63<br>Eu   | 64<br>Gd   | 65<br>Tb   | 66<br>Dy   | 67<br>Ho   | 68<br>Er   | 69<br>Tm   | 70<br>Yb   | 71<br>Lu   |
| ** Actinide Series       | 89<br>Ac   | 90<br>Th   | 91<br>Pa   | 92<br>U    | 93<br>Np   | 94<br>Pu   | 95<br>Am   | 96<br>Cm   | 97<br>Bk   | 98<br>Cf   | 99<br>Es   | 100<br>Fm  | 101<br>Md  | 102<br>No  | 103<br>Lr  |
| *** Superactinide Series | 143<br>Uql | 144<br>Uqq | 145<br>Uqp | 146<br>Uqh | 147<br>Uqs | 148<br>Uqo | 149<br>Uqe | 150<br>Upn | 151<br>Upu | 152<br>Upb | 153<br>Upl | 154<br>Upq | 155<br>Upp | 156<br>Uph | 157<br>Ups |

|                          |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| *** Superactinide Series | 121<br>Ubu | 122<br>Ubb | 123<br>Ubl | 124<br>Ubu | 125<br>Ubp | 126<br>Ubh | 127<br>Ubs | 128<br>Ubo | 129<br>Ube | 130<br>Ubn | 131<br>Ubu | 132<br>Ubt | 133<br>Ulf | 134<br>Utg | 135<br>Ulp | 136<br>Ulh | 137<br>Uls | 138<br>Ult | 139<br>Ule | 140<br>Uqn | 141<br>Uqu | 142<br>Uqb |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|

## Chemical Series of the Periodic Table

- Alkali metals
- Alkaline earths
- Lanthanides
- Actinides
- Superactinides
- Eka-superactinides
- Transition metals
- Poor metals
- Metalloids/Semi metals/Half metals
- Nonmetals
- Halogens
- Noble gases

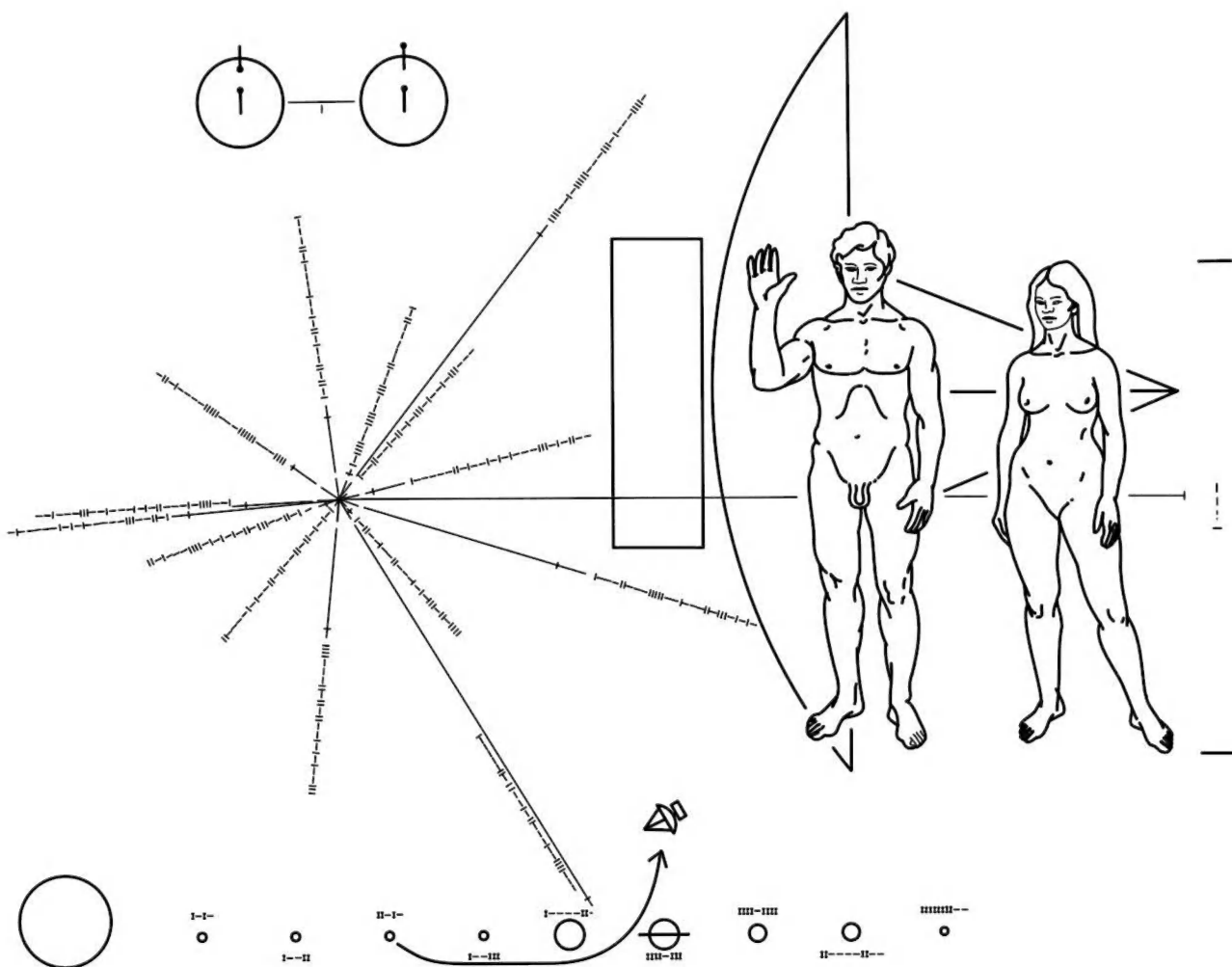
State at **standard temperature and pressure**. The color of the number (atomic number) above the element symbol shows the state of the element at normal conditions.

- those in blue are gases
- those in green are liquids
- those in black are solid

## Radioactivity

- Those with solid borders have stable isotopes (Primordial elements)
- Those with dashed borders have only radioactive naturally occurring isotopes
- Those with dotted borders do not occur naturally (Synthetic Elements)
- those without borders are too radioactive to have been discovered yet.





Information compiled by Benno Iris Emilia Sameyn. Born 5 May 1994. 05/05/94  
Belgium Flanders.

Made in 17 February 2021 17/02/21